

| Ref # | Hits | Search Query                                    | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------------------------------------|---------------------------------|------------------|---------|------------------|
| L1    | 566  | 313/344.ccls.                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 15:53 |
| L2    | 44   | "313"/\$.ccls. and "cathode cup"                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 14:39 |
| L3    | 96   | "378"/\$.ccls. and "cathode cup"                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 14:39 |
| L4    | 132  | L2 L3                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 14:39 |
| L5    | 245  | 313/450,454.ccls.                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 14:39 |
| L6    | 565  | 313/344.ccls. not L5 not L4                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 14:39 |
| L7    | 1    | ("2073672").URPN.                               | USPAT                           | OR               | OFF     | 2005/10/27 15:15 |
| L8    | 3    | ("3646379").URPN.                               | USPAT                           | OR               | OFF     | 2005/10/27 15:19 |
| L9    | 0    | ("1636261").URPN.                               | USPAT                           | OR               | OFF     | 2005/10/27 15:30 |
| L10   | 1630 | 313/631,578,579.ccls.                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/27 15:53 |
| L11   | 34   | 313/631,578,579.ccls. and (electron near3 beam) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/10/27 15:56 |
| L12   | 18   | 313/631,578,579.ccls. and (x\$3ray)             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/10/27 15:57 |
| L13   | 16   | 12 not 11                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/10/27 15:56 |
| L14   | 294  | 313/631,578,579.ccls. and (cathode)             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/10/27 15:57 |
| S1    | 44   | "313"/\$.ccls. and "cathode cup"                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/24 16:23 |
| S2    | 96   | "378"/\$.ccls. and "cathode cup"                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/24 16:23 |
| S3    | 44   | "313"/\$.ccls. and "cathode cup"                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/10/26 15:04 |

|     |     |                                                                                                                                                                                                                                   |                                 |    |     |                  |
|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----|-----|------------------|
| S4  | 96  | "378"/\$.ccls. and "cathode cup"                                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 15:04 |
| S5  | 132 | S3 S4                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 17:39 |
| S6  | 207 | 378/136.ccls.                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 15:04 |
| S7  | 308 | S5 S6                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 15:04 |
| S8  | 2   | ("6480572").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 15:12 |
| S9  | 17  | ("4315154"   "4637040"  <br>"4689809"   "5007074"   "5065420"<br>  "5125019"   "5303281"  <br>"5313510"   "5581591"   "5621781"<br>  "5623530"   "5633907"  <br>"5742662"   "5768331"   "5812632"<br>  "5910974"   "6333969").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 15:13 |
| S10 | 2   | ("6333969").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 15:17 |
| S11 | 3   | ("4868842"   "4894853"  <br>"5884963").PN.                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 15:17 |
| S12 | 8   | ("4868842").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 15:21 |
| S13 | 6   | ("4894853").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 16:29 |
| S14 | 12  | ("2146900"   "3567928"  <br>"3649861"   "3916202"   "3946261"<br>  "4035685"   "4065689"  <br>"4331875"   "4344011"   "4573186"<br>  "4730353").PN.                                                                               | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 16:30 |
| S15 | 16  | ("4344011").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 16:31 |
| S16 | 6   | ("4894853").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 16:40 |
| S17 | 3   | ("6259193").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 16:40 |
| S18 | 15  | ("2919373"   "3307974"  <br>"3777209"   "3788721"   "3914639"<br>  "4144473"   "4205254"  <br>"4344011"   "4777642"   "4868842"<br>  "4894853"   "5077777"  <br>"6115453").PN.                                                    | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 16:41 |
| S19 | 1   | ("3788721").PN.                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 17:03 |
| S20 | 10  | ("3788721").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 17:03 |
| S21 | 0   | ("6075313").URPN.                                                                                                                                                                                                                 | USPAT                           | OR | OFF | 2005/10/26 17:05 |

|     |     |                                                                                                                                                                                           |                                 |    |     |                  |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----|-----|------------------|
| S22 | 10  | ("2142865"   "3119946"   "3788721"   "4616682"   "4857709"   "5523650"   "5556191"   "5565734").PN.                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 17:05 |
| S23 | 10  | ("4144473").URPN.                                                                                                                                                                         | USPAT                           | OR | OFF | 2005/10/26 17:07 |
| S24 | 4   | ("4315154").URPN.                                                                                                                                                                         | USPAT                           | OR | OFF | 2005/10/26 17:21 |
| S25 | 7   | ("3110810"   "3389253"   "3591821"   "3649861"   "3946261").PN.                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 17:22 |
| S26 | 0   | ("6356619").URPN.                                                                                                                                                                         | USPAT                           | OR | OFF | 2005/10/26 17:26 |
| S27 | 6   | ("1902502"   "2597817"   "3631289"   "5907595").PN.                                                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/26 17:26 |
| S28 | 1   | ("5623530").URPN.                                                                                                                                                                         | USPAT                           | OR | OFF | 2005/10/26 17:28 |
| S29 | 44  | "313"/\$.ccls. and "cathode cup"                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 17:40 |
| S30 | 96  | "378"/\$.ccls. and "cathode cup"                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 17:40 |
| S31 | 132 | S29 S30                                                                                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 17:40 |
| S32 | 207 | 378/136.ccls.                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 17:40 |
| S33 | 176 | S32 not S31                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/26 17:57 |
| S34 | 245 | 313/450,454.ccls.                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/27 13:02 |
| S35 | 19  | ("3846006" "3969629" "4072865" "4114987" "4144457" "4775992" "4823371" "4894853" "4924485" "5077773" "5170442" "5418833" "5602441" "5619092" "5625661" "5878109" "6018566" "6059627").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/27 13:02 |